# PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

#### **CONVEYING PARTY DATA**

Name	Execution Date
Siddhartha Mallik	08/15/2010
Alexei Y. Gorokhov	08/04/2010

#### RECEIVING PARTY DATA

Name:	QUALCOMM Incorporated	
Street Address:	5775 Morehouse Drive	
City:	San Diego	
State/Country:	CALIFORNIA	
Postal Code:	92121-1714	

#### PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	12849230	

# **CORRESPONDENCE DATA**

Fax Number: (858)658-2502

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: (858) 651-5205

Email: usdocketing@qualcomm.com
Correspondent Name: QUALCOMM Incorporated
Address Line 1: 5775 Morehouse Drive

Address Line 4: San Diego, CALIFORNIA 92121-1714

ATTORNEY DOCKET NUMBER:	092972
NAME OF SUBMITTER:	Denise Miles

Total Attachments: 4

source=092972\_2010-08-18\_ASST\_Signed#page1.tif source=092972\_2010-08-18\_ASST\_Signed#page2.tif source=092972\_2010-08-18\_ASST\_Signed#page3.tif

PATENT S01291871 REEL: 024994 FRAME: 0293

\$40.00

source=092972\_2010-08-18\_ASST\_Signed#page4.tif

PATENT Docket No.092972 Page 1 of 2

ASSIGNMENT

TO WHOM IT MAY CONCERN:

For the sum of One Dollar and other valuable consideration to us in hand paid, receipt of which

is hereby acknowledged, be it known that We,

1. Siddhartha Mallik, a citizen of India, having a mailing address of 5775 Morehouse Drive,

San Diego, California, 92121, United States of America; and a resident of San Diego, California,

United States of America,

2. Alexei Y. Gorokhov, a citizen of France, having a mailing address of 5775 Morehouse

Drive, San Diego, California, 92121, United States of America; and a resident of San Diego,

California, United States of America,

have sold, assigned and transferred and by these presents do sell, assign, transfer and set over

unto QUALCOMM Incorporated, a Delaware corporation, having a place of business at 5775

Morehouse Drive, San Diego, California 92121-1714, its successors, legal representatives, or

assigns, the entire right, title and interest in and to a certain invention relating to

HIERARCHICAL FEEDBACK OF CHANNEL STATE INFORMATION FOR

WIRELESS COMMUNICATION by us devised and the application for United States Patent

therefore filed in the United States Patent and Trademark Office on August 3, 2010, and

assigned Serial No. 12/849,230, including Provisional Application Number 61/231,131, filed on

August 4, 2009, and all original and reissue patents granted thereof (in the United States and any

foreign country), and all divisionals, continuations and continuations-in-part thereof, including

the subject matter of any and all claims which may be obtained in every such patent, and all

foreign rights to said invention, and covenant that we have full right to do so, and agree that we

# ASSIGNMENT

will communicate to said corporation or its representatives all facts known to us respecting said invention, whenever requested, and testify in any legal proceedings, sign all lawful papers, make all rightful oaths and generally do everything possible to aid said corporation, its successors, assigns and nominees, to obtain and enforce proper patent protection for said invention in all countries.

The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at San Diego, California this <u>K</u>	day of	August, 2010.
		Galil-
		Siddhartha Mallik
Done at San Diego, California this	day of	, 2010.
		Alexei Y. Gorokhov

PATENT Docket No.092972 Page 1 of 2

ASSIGNMENT

TO WHOM IT MAY CONCERN:

For the sum of One Dollar and other valuable consideration to us in hand paid, receipt of which

is hereby acknowledged, be it known that We,

1. Siddhartha Mallik, a citizen of India, having a mailing address of 5775 Morehouse Drive,

San Diego, California, 92121, United States of America; and a resident of San Diego, California,

United States of America,

2. Alexei Y. Gorokhov, a citizen of France, having a mailing address of 5775 Morehouse

Drive, San Diego, California, 92121, United States of America; and a resident of San Diego,

California, United States of America,

have sold, assigned and transferred and by these presents do sell, assign, transfer and set over

unto QUALCOMM Incorporated, a Delaware corporation, having a place of business at 5775

Morehouse Drive, San Diego, California 92121-1714, its successors, legal representatives, or

assigns, the entire right; title and interest in and to a certain invention relating to

HIERARCHICAL FEEDBACK OF CHANNEL STATE INFORMATION FOR

WIRELESS COMMUNICATION by us devised and the application for United States Patent

therefore filed in the United States Patent and Trademark Office on August 3, 2010, and

assigned Serial No. 12/849,230, including Provisional Application Number 61/231,131, filed on

August 4, 2009, and all original and reissue patents granted thereof (in the United States and any

foreign country), and all divisionals, continuations and continuations-in-part thereof, including

the subject matter of any and all claims which may be obtained in every such patent, and all

foreign rights to said invention, and covenant that we have full right to do so, and agree that we

# ASSIGNMENT

will communicate to said corporation or its representatives all facts known to us respecting said invention, whenever requested, and testify in any legal proceedings, sign all lawful papers, make all rightful oaths and generally do everything possible to aid said corporation, its successors, assigns and nominees, to obtain and enforce proper patent protection for said invention in all countries.

The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at San Diego, California this \_\_\_\_\_\_ day of \_\_\_\_\_\_, 2010.

Done at San Diego, California this 4th day of August, 2010.

Alexei Y. Gorokhov

PATENT
RECORDED: 09/15/2010 REEL: 024994 FRAME: 0298